2. Specification

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3. Operation Instruction and Installation

Main Function

- Android OS: Jelly Bean
- Main 5MP AF, Sub 1.3MP
- 8" WXGA TFT Full Touch (C-Type)
- A-GPS / GLONASS/ BT v4.0 + EDR with LE / USB v2.0 / Wi-Fi (802.11 a/b/g/n)/ OTG
- Recording definition: 720p / Playback at 1080p resolution
- Sensors: Accelation, Magnetic, RGB sensor
- Additional :
  - 1.5GHz Dual Core CPU

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9. Reference Abbreviate

Reference Abbreviate

- **AAC**: Advanced Audio Coding.
- **AVC** : Advanced Video Coding.
- **BER** : Bit Error Rate
- **BPSK**: Binary Phase Shift Keying
- **CA** : Conditional Access
- **CDM** : Code Division Multiplexing
- **C/I** : Carrier to Interference
- **DMB** : Digital Multimedia Broadcasting
- **EN** : European Standard
- **ES** : Elementary Stream
- **ETSI**: European Telecommunications Standards Institute
- **MPEG**: Moving Picture Experts Group
- **PN** : Pseudo-random Noise
- **PS** : Pilot Symbol
- **QPSK**: Quadrature Phase Shift Keying
- **RS** : Reed-Solomon
- **SI** : Service Information
- **TDM** : Time Division Multiplexing
- **TS** : Transport Stream

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1. Safety Precautions

1-1. Repair Precaution

Before attempting any repair or detailed tuning, shield the device from RF noise or static electricity discharges.

Use only demagnetized tools that are specifically designed for small electronic repairs, as most electronic parts are sensitive to electromagnetic forces.

Use only high quality screwdrivers when servicing products. Low quality screwdrivers can easily damage the heads of screws.

Use only conductor wire of the properly gauge and insulation for low resistance, because of the low margin of error of most testing equipment.
We recommend 22-gauge twisted copper wire.

Hand-soldering is not recommended, because printed circuit boards (PCBs) can be easily damaged, even with relatively low heat. Never use a soldering iron with a power rating of more than 100 watts and use only lead-free solder with a melting point below 250°C (482°F).

Prior to disassembling the battery charger for repair, ensure that the AC power is disconnected. Always use the replacement parts that are registered in the SEC system. Third-party replac ement parts may not function properly.

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1-2. ESD(Electrostatically Sensitive Devices) Precaution

Many semiconductors and ESDs in electronic devices are particularly sensitive to static discha rge and can be easily damaged by it. We recommend protecting these components with cond uctive anti-static bags when you store or transport them.

Always use an anti-static strap or wristband and remove electrostatic buildup or dissipate static electricity from your body before repairing ESDs.

Ensure that soldering irons have AC adapter with ground wires and that the ground wires are properly connected.

Use only desoldering tools with plastic tips to prevent static discharge.

Properly shield the work environment from accidental electrostatic discharge before opening packages containing ESDs.

The potential for static electricity discharge may be increased in low humidity environments, such as air-conditioned rooms. Increase the airflow to the working area to decrease the chance of accidental static electricity discharges.

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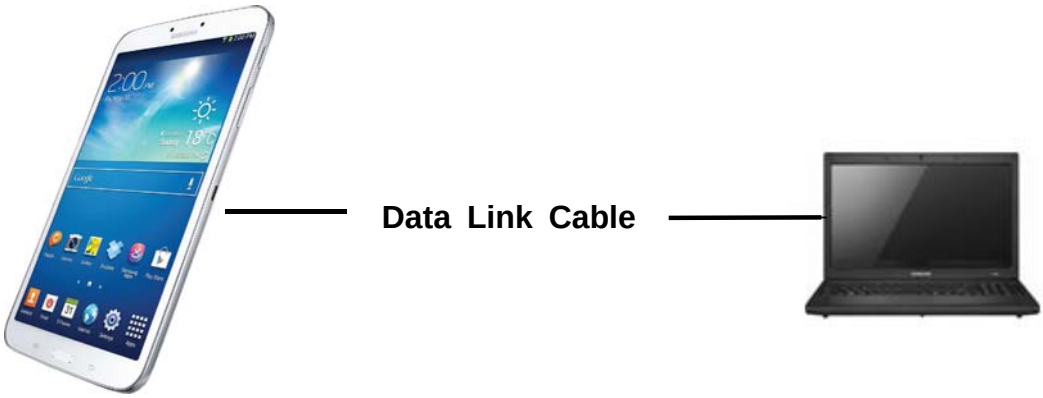
6. Level 1 Repair

6-1. S/W Download

6-1-1. Pre-requisite for S/W Downloading

- Downloader Program (**Odin3 v3.07.exe**)
- SM-T310
- Data Link Cable (GH81-09211A)
- Binary files

❖ **Settings**



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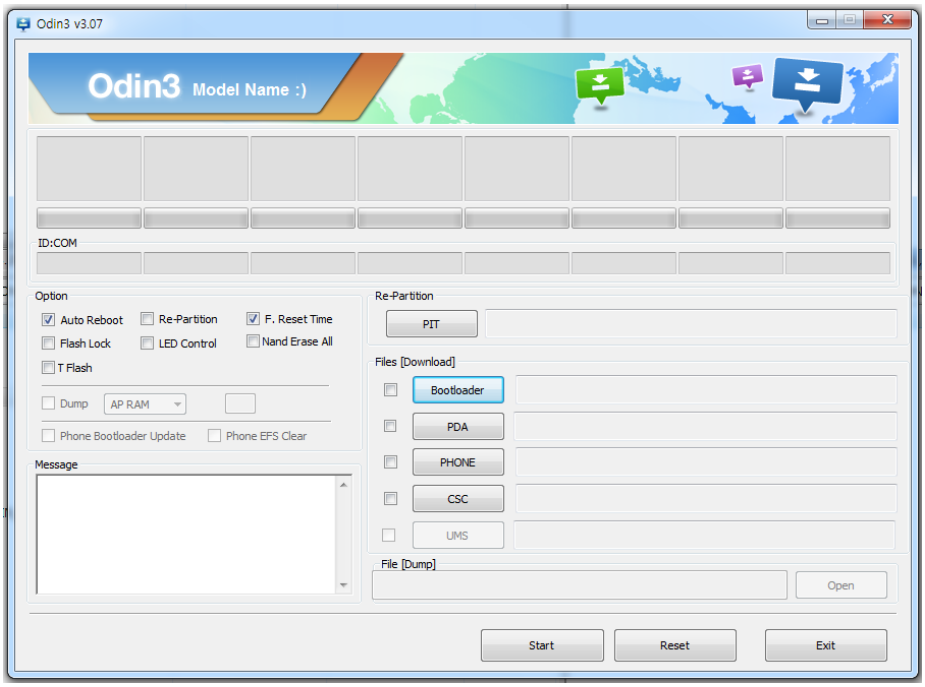
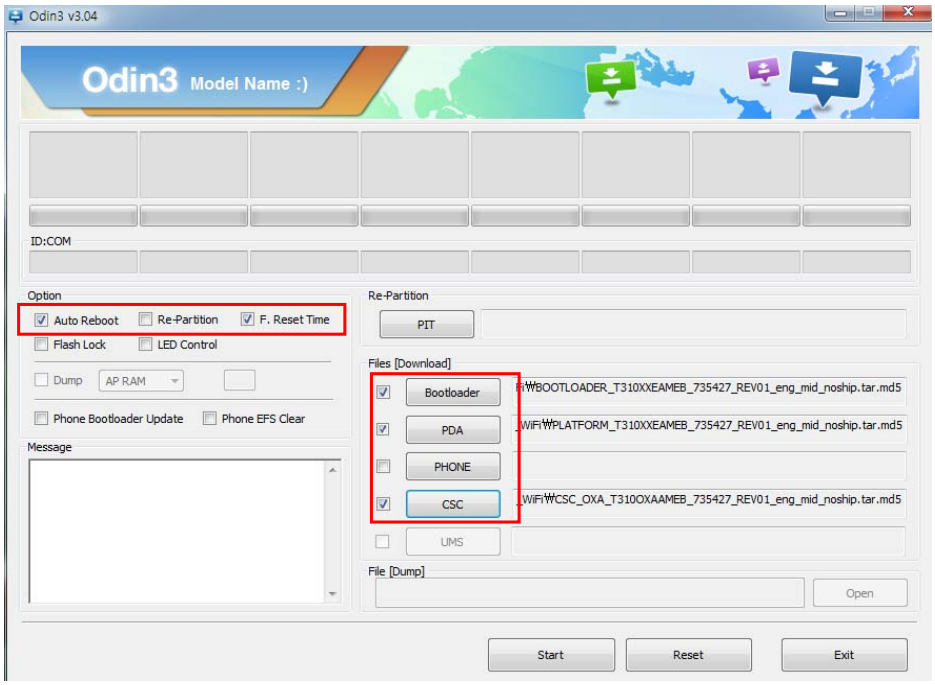
6-1-2. S/W Downloader Program

■ Load the binary download program by executing the **"Odin3 v3.07.exe" ← Run this file.**



1. Option checking and select files

- Check Re-Partition, Auto Reboot and F. Reset Time, then select PIT, CODE, PHONE and CSC File.



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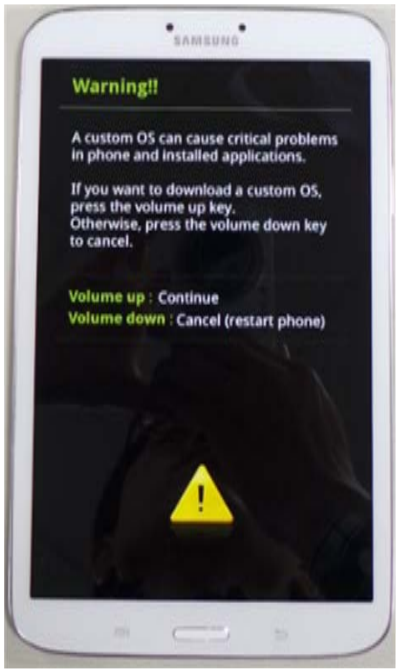
2. Enter Device into Download Mode

- Press volume down button and power key at same time for 5 seconds, then you can see below display.


SAMSUNG
Warning!!
A custom OS can cause critical problems in phone and installed applications.
If you want to download a custom OS, press the volume up key.
Otherwise, press the volume down key to cancel.
Volume up : Continue
Volume down : Cancel (restart phone)

- Press volume up button to enter device into download mode.

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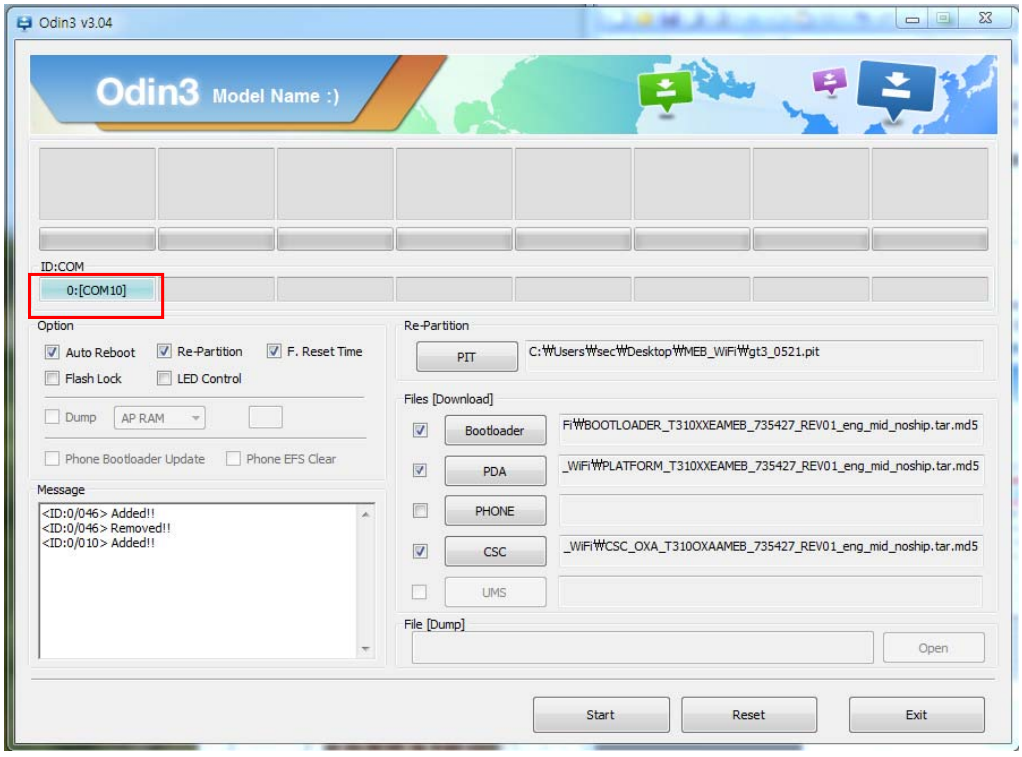
3. Connect the Device to PC via Data Cable.
Make sure ID:COM box highlighted blue that the device is connected to the PC.



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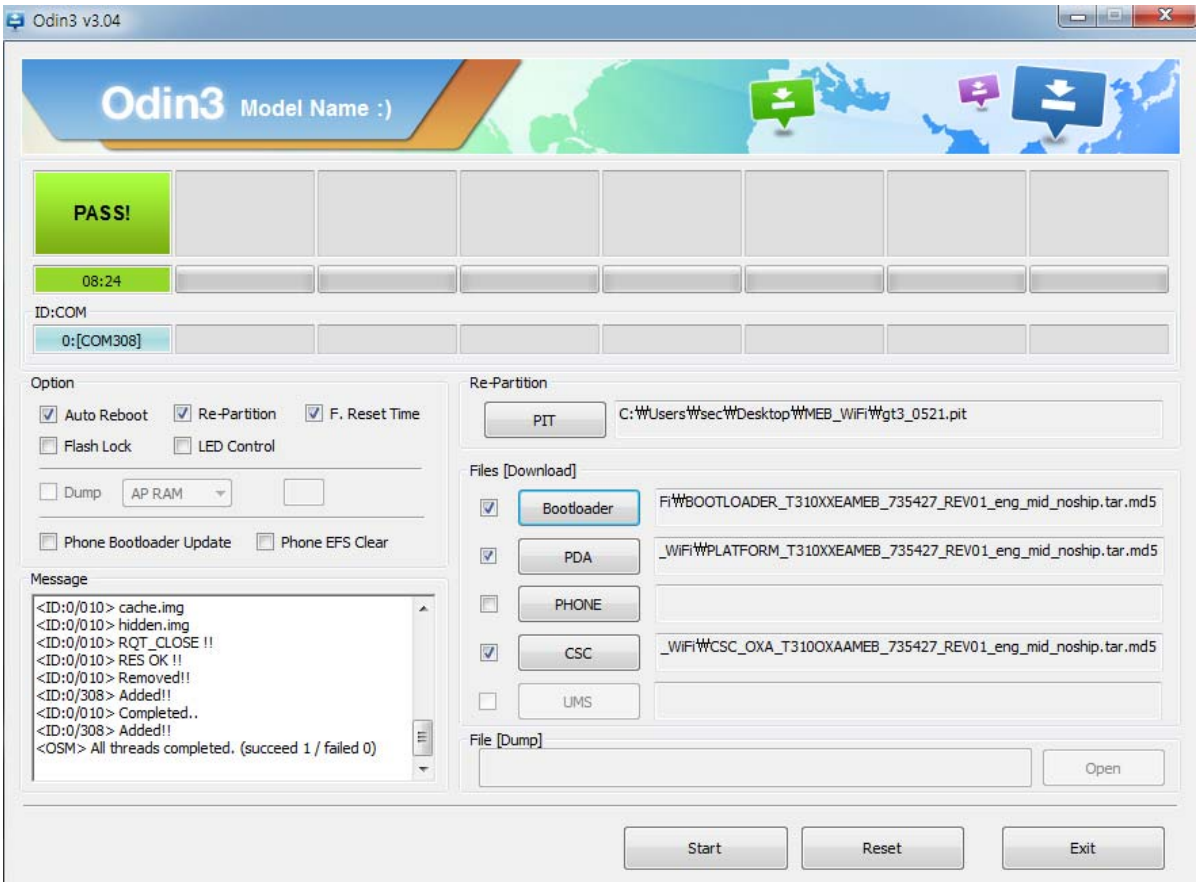
4. Start Downloading PIT, CODE, PHONE and CSC files by clicking Start button. Then wait for "PASS" to be appear on the screen.



5. Once the device boots up, confirm the downloaded version name and etc. : ***#1234#**

Full Reset :
Apps > Settings > Backup and reset > Factory data reset

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